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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

12/30/98

Assistant Commissioner for Patents Washington, D.C. 20231

REISSUE APPLICATION TRANSMITTAL

Transmitted	herewith	is th	1e	application	for	reissue	of	U.S.
<u> </u>								

欧 **Utility Patent** Plant Patent

Design Patent

No. <u>5.589.821</u> issued on Dec 31 1996

Inventor(s): Roy Sallen, W. James Budzyna and Charles E. Sawabini

Title: DISTANCE DETERMINATION AND ALARM SYSTEM

Enclosed are the following:

- 1. Specification, claim(s) and drawing(s) (37 C.F.R. § 1.173)
 - 5 page(s) of specification
 - __ page(s) of claims

NOTE: This must include the entire specification and claims of the patent, with the matter to be omitted by reissue enclosed in square brackets. Any additions made by the reissue must be underlined, so that , the old and new specifications and claims may be readily compared. Claims should not be renumbered. The numbering of claims added by reissue should follow the number of the highest numbered patent claim. No new matter shall be introduced into the specification. (37 C.F.R. § 1.173).

CERTIFICATION UNDER 37 C.F.R. § 1.10* (Express Mail label number is mandatory.) (Express Mail certification is optional.)

I hereby certify that this Reissue Application Transmittal and the documents referred to as enclosed therein are envelope as "Express Mail Post Office to Addressee," mailing Label Number __EE819399105

addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

Richard J. Birch

(type or print name of person mailing paper)

Signature of person mailing paper

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. § 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

*WARNING: Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. § 1.10(b).

> "Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

> > (Reissue Application Transmittal [17-1]—page 1 of 6)



(b)		_23 sheet(s) of drawing (drawings amended)
		☐ Formal
		☐ Informal
NO	TE: ".	Amendments which can be made in a reissue drawing, that is, changes from the drawing of the patent, re restricted." 37 C.F.R. § 1.174(b).
	X	No changes in the drawings, upon which the original patent was issued, are to be made. Therefore, in accordance with 37 C.F.R. § 1.174(a), please find attached, in the size required for original drawings:
		a copy of the printed drawings of the patent.
		☐ a photoprint of the original drawings.
		A letter requesting transfer of the drawings from the original patent file to this reissue application is attached.
2.	Decl	aration and power of attorney
		pages of declaration and power of attorney
3.	Preli	minary amendment
		(check, if applicable)
		Attached
4.		r to surrender the original letters patent in accordance with 37 C.F.R. § 1.178 tached.
		Offer to surrender is by the inventor
		☐ along with assent of assignee.
		are a second of the entire interest (and the reissue
5.	Lett	ers patent
		Original letters patent are attached.
		Declaration that original letters patent lost or inaccessible is attached.
	χŪ	A copy of the original printed patent is attached.
N	OTE:	"The application may be accepted for examination in the absence of the original patent or the declaration but one or the other must be supplied before the case is allowed." 37 C.F.R. § 1.178.
		"Where the original patent grant is not submitted with the reissue application as filed, patentee should include a copy of the printed original patent. Presence of a copy of the original patent is useful for the calculation of the reissue filing fee and for the verification of other identifying data." M.P.E.P., 6th ed., rev. 2, § 1416.
٨	OTE:	"If a reissue be refused, the original patent will be returned to applicant upon his request." 37 C.F.R. § 1.178.
		(Paissus Application Transmittal [17-1]—page 2 of 6)

6.	Petition to proceed without assignee's assent									
	Attached hereto is a "PETITION TO PROCEED WITH REISSUE APPLICATION WITHOUT ASSIGNEE'S ASSENT".									
	A	. 🗆	The f	ee paymen	t is authorized in th	ne a	ttached:			
				"REISSUE	APPLICATION TR	ANS	SMITTAL" F	om		
				"COMPLE	TION OF FILING RE Form.	QU	IREMENTS	— REISSUE APPLI-		
	В	. 🗆	Paym	ent is auth	orized below.					
7.	Inform	nation D	isclosu	re Stateme	ent					
		Attach	ed							
		Copies	of the	IDS citation	on(s) is/are attached					
8.	Priorit	y—35 l	J.S.C. §	119						
				is cla	rial No. 0 /imed under 35 U.S.			ed on,		
		The c		copy ha		rioi	application	on Serial No. 0 /		
10.	Basi	c Filing			37 C.F.R. § 1.16(h),	(i)	and (j))	,		
_					CLAIMS AS FILED					
	Num	ber File	d		Number Extra		Rate	Basic Fee (37 C.F.R. 1.16(h)) \$7,90:00 760.00		
Tota Clai	ims	1.16(j))			- 20 (and also in excess of total claims in patent)	×	18.00 \$22:00 :			
Inde Cla	epende ims	***			- (number of inde- pendent claims in patent)	x	78.00 \$82.00			
				Filing	fee Coloulation					

NOTE: Multiple dependent claims are treated as ordinary claims for fee purposes. 37 C.F.R. 1.16().

(Reissue Application Transmittal [17-1]—page 3 of 6)

10.	Sma	Il Entity Status (if applicable)	
NO		new statement is required for the reissue, even if one has been filed 1.27(a).	I in the original patent. 37 C.F.R.
		A statement that this filing is by a small entity is	
		☐ attached.	
		Filing Fee Calculation (50% of ab	ove) \$
NO	TE: If	a statement is filed within 2 months of the date of timely payment of Ill be refunded on request. 37 C.F.R. § 1.28(a). Effective April 1, 1	f a fee, then the excess fee paid 984.
11.	Add	tional Fee Payments	
		Payment is being made for "PETITION TO PROCEE APPLICATION WITHOUT ASSIGNEE" (37 C.F.R. § 1.17(h))	
12.	Tota	I Fees Due	
		Filing Fee	\$
		Petition fee	\$
		Total Fees Due	\$
13.	Met	nod Of Payment of Fees	
		Enclosed is a check in the amount of \$	
		Charge Account No in the amou A duplicate of this request is attached.	nt of \$
NO		ees should be itemized in such a manner that it is clear for which put 1.22(b).	rpose the fees are paid. 37 C.F.R

Authorization To Charge Additional Fees WARNING: If no fees are to be paid on filing, the following items should not be completed. WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized. The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. ☐ 37 C.F.R. § 1.16(a), (f) or (g) (filing fees) ☐ 37 C.F.R. § 1.16(b), (c) and (d) (presentation of extra claims) NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action. ☐ 37 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application) ☐ 37 C.F.R. § 1.17(a)(1)–(5) (extension fees pursuant to § 1.136(a)). ☐ 37 C.F.R. § 1.17 (application processing fees) NOTE: "A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent ·· reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. § 1.136(a)(3). NOTE: "Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a). 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))

NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time

15.

Additional Enclosures

NOTE: See 37 C.F.R. § 1.28.

of mailing the notice of allowance: 37 C.F.R. § 1.311(b).

Reg. No.: 20,895

Tel. No.: (781) 237-1819

Customer No.:

SIGNATURE OF PRACTIONER

Richard J. Birch

(type or print name of practitioner)

8 River Glen Road

P.O. Address

Wellesley, MA 02481

(Reissue Application Transmittal [17-1]—page 6 of 6)